

Flushable water changing base and multi-tasking caps

Abstract

This system can be divided into three sections. The stand section consists of a stand 1 that has enough clearance to not interfere with the invention. The upper section can consist of all or some of the components pointed out as tank liner 3 and aquarium tank walls 2. The lower section is the focus of my invention that consists of bottom tank piece 4, support pads 5, coarse main medium 6, fine main medium 7, coarse center medium 8, fine center medium 9, main plug seal 10, slide rod 11, water change cap 14, and water change rod 15. Bottom tank piece 4 attaches to the bottom of the upper section and inside the clearance cutout of the stand section. The bottom tank piece 4 has sloping walls to guide waste to a center orifice in the bottom tank piece 4. Support pads 5 are needed as structural pieces to spread out the load to various places along the bottom tank piece 4. The coarse main medium 6 is placed on top of the bottom tank piece 4 and/or support pads. The coarse main medium 6 is rigid and has larger mesh orifices than the fine main medium 7. The mediums prevent the gravel

from falling in to the lower section of the aquarium system, and only allows smaller particles to get through. The slide rod 11 gets assembled to the main plug seal 10 and that unit gets inserted into the center orifice. The water change cap 14 can be screwed up and fitted to the center orifice in the bottom tank piece 4, as shown in figs. 1 and 3. Once the water change cap 14 is attached, the water change rod gets inserted into the slide rod 11 as shown in fig. 8. Water change rod 15 is pushed up to open the main plug seal 10 or lowered to close the main plug seal 10. After flushing the water out, a water tap or a pail with suitable water can be used to refill the top aquatic section.